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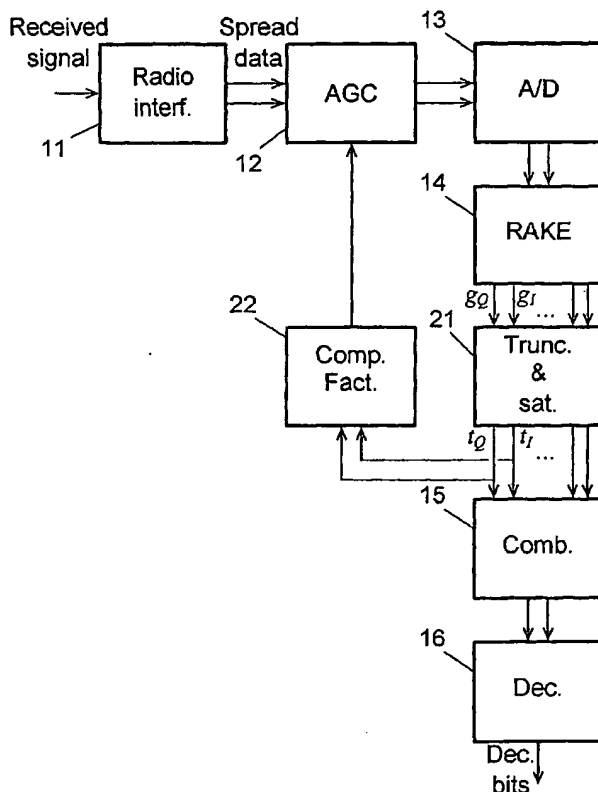
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[Continued on next page]

(54) Title: TRUNCATION AND LEVEL ADJUSTEMENT OF RAKE OUTPUT SYMBOLS



(57) Abstract: A method of receiving radio signals in a receiver for a digital wireless communications system comprises the steps of level adjusting a received radio signal by an automatic gain control (12); and despreading the signal in a RAKE unit (14) having a number of fingers. The despread data symbols are truncated to symbols represented by a smaller number of bits than that of the despread data symbols by selecting the least significant bits of the despread data symbols. The truncated data symbols are saturated; and the despread data symbols are level adjusted in dependence of said despread data symbols, so that overflow for the truncated data symbols is prevented. In this way the number of bits used to represent the despread data symbols that are output from the fingers of the RAKE can be reduced in such a way that the loss of soft information is minimized.



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